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Two new species of *Nordstromia* Bryk from the Philippines and Taiwan (Drepanidae)

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Abstract *Nordstromia coffeata* sp. nov. from the Philippines and *N. semililacina* sp. nov. from Taiwan are described.

Key words Drepanidae, *Nordstromia*, Luzon, Mindanao, Taiwan, taxonomy.

In writing this paper I received valuable specimens collected in the Philippines from Mr K. Yazaki, and those from Taiwan from Mr A. Kawabe, Dr H. Kezuka, Mr Y. Kishida, Mr A. Seino, Mr Y. Shibata, Dr T. Shirôzu and Dr Sk. Yamane. I express my hearty thanks to them. All the specimens recorded hereunder are in my collection, excepting one paratype of *N. semililacina* which is in the collection of the National Science Museum, Tokyo.

Nordstromia coffeata sp. nov. (Figs. 1-2)

Similar to *N. argenticeps* (Warren) from northeast India and Nepal, but both wings with transverse lines more slender, forewing with spotting on costa at the antemedian line and between it and postmedian line heavier, subterminal spots absent. Forewing with apex falcate as in *argenticeps*. Under surface, forewing with costal area ochreous brown. Length of forewing: ♂ 14 mm, ♀ 15 mm.

♂ genitalia (Fig. 7). Uncus broad and short, lateral margins nearly parallel, compressed at base, apical area deeply and triangularly excised, apices sharply pointed, socii very short, triangulate, valva slender, swollen at base of costa, saccus short, rounded, each side of juxta sharply spined dorsad, aedeagus short, straightish, cornuti a bunch of several small thorns. 8th sternite triangular, apex lobed at each side, tergite strongly produced at each side and densely spined there. ♀ genitalia (Fig. 9). Ductus bursae much shorter than in known species, almost equal in length with corpus bursae, signum a small scobinate plate.

Holotype, ♂, and paratypes, 2 ♂: Mt. Pulis, Ifgao, North Luzon, 23. ix. 1988 (Cerny & Schintlmeister). Paratype, 1 ♀: Dalongdong, 800 m, Bukidnon, Mindanao, 1-3. x. 1988 (same collectors).

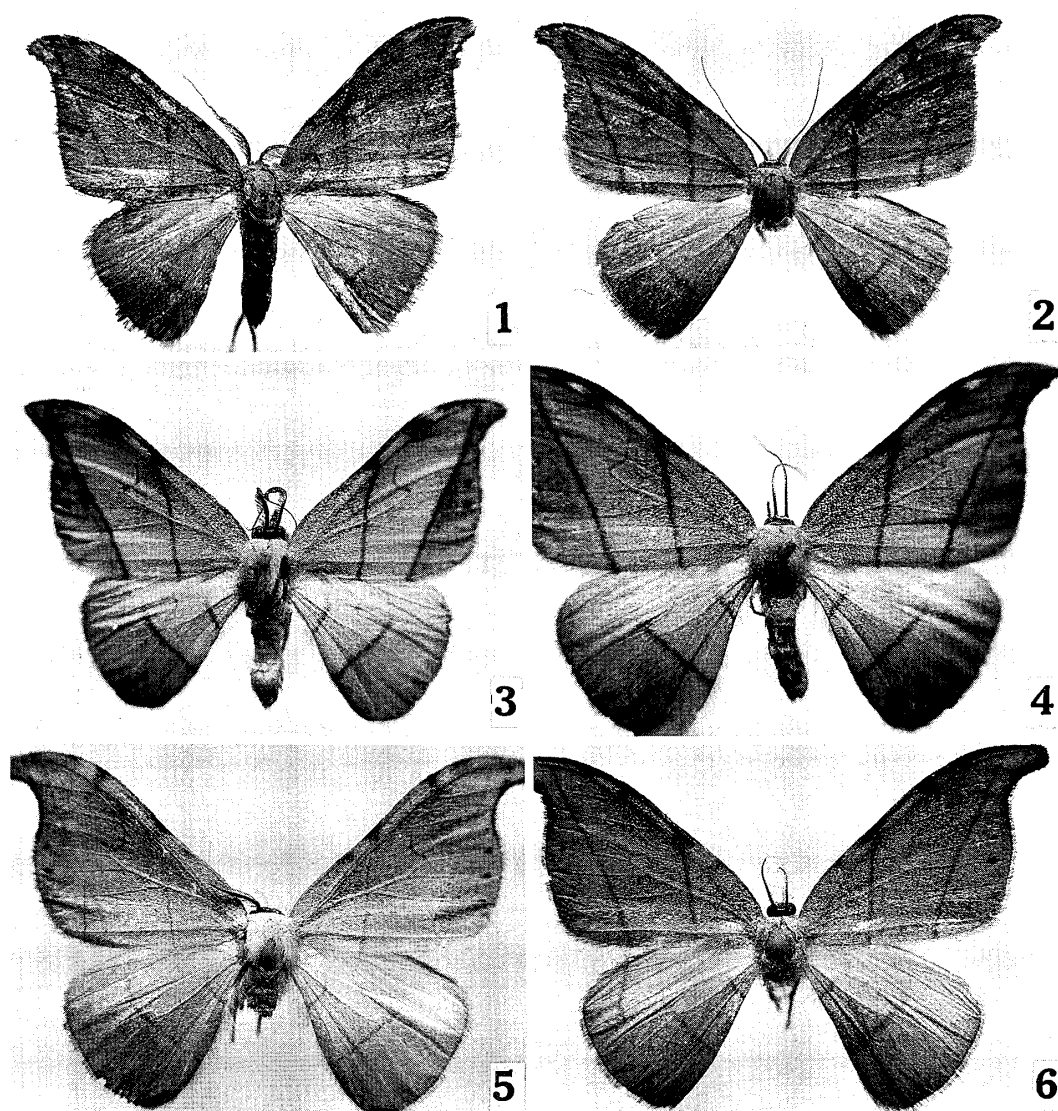
Distribution. Philippines (Luzon and Mindanao).

In my collection there is a female from Kampong Sahom, Peninsular Malaysia, whose genitalia are very similar to the present new species, but much larger in size (length of forewing 19 mm) and forewing with apex more strongly falcate.

Nordstromia semililacina sp. nov. (Figs. 3-4)

Nordstromia lilacina: Chang, 1989, *Illust. Moths Taiwan* **1**: 113, figs (♂, ♀), nec Moore.

Closely related to *N. lilacina* (Moore) from northwest and northeast India and Nepal, but separated from it as follows: Both wings with transverse lines thicker, always very

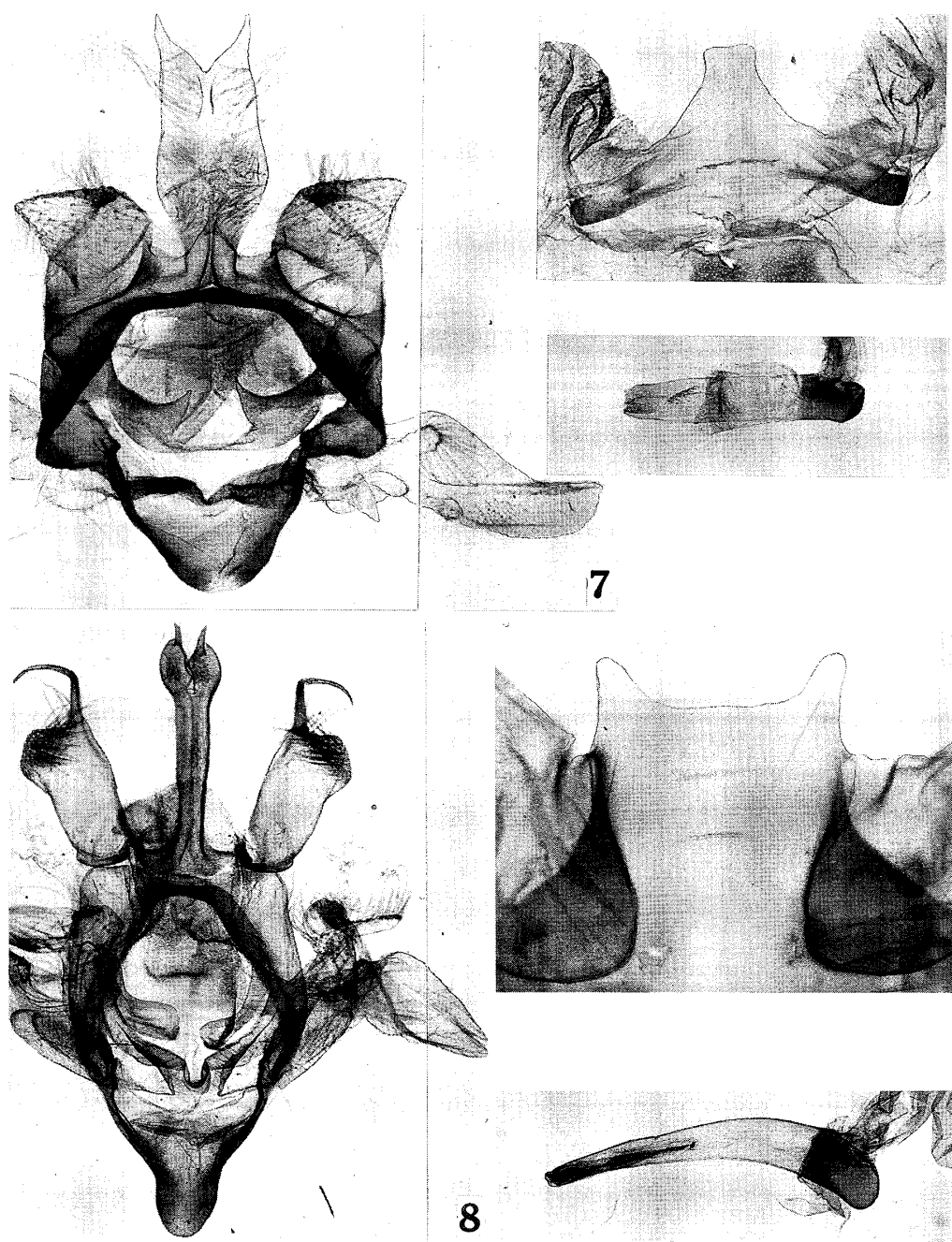


Figs. 1-6. *Nordstromia* spp. 1. *coffeata* sp. nov. Holotype, ♂. 2. *Ditto*, paratype, ♀. 3. *N. semililacina* sp. nov. Holotype, ♂. 4. *Ditto*, paratype, ♀. 5. *N. lilacina* (Moore), ♂. 6. *Ditto*, ♀.

distinct together with cell-end mark of forewing, distal shading of postmedian line of forewing usually clear. Size nearly as *lilacina*.

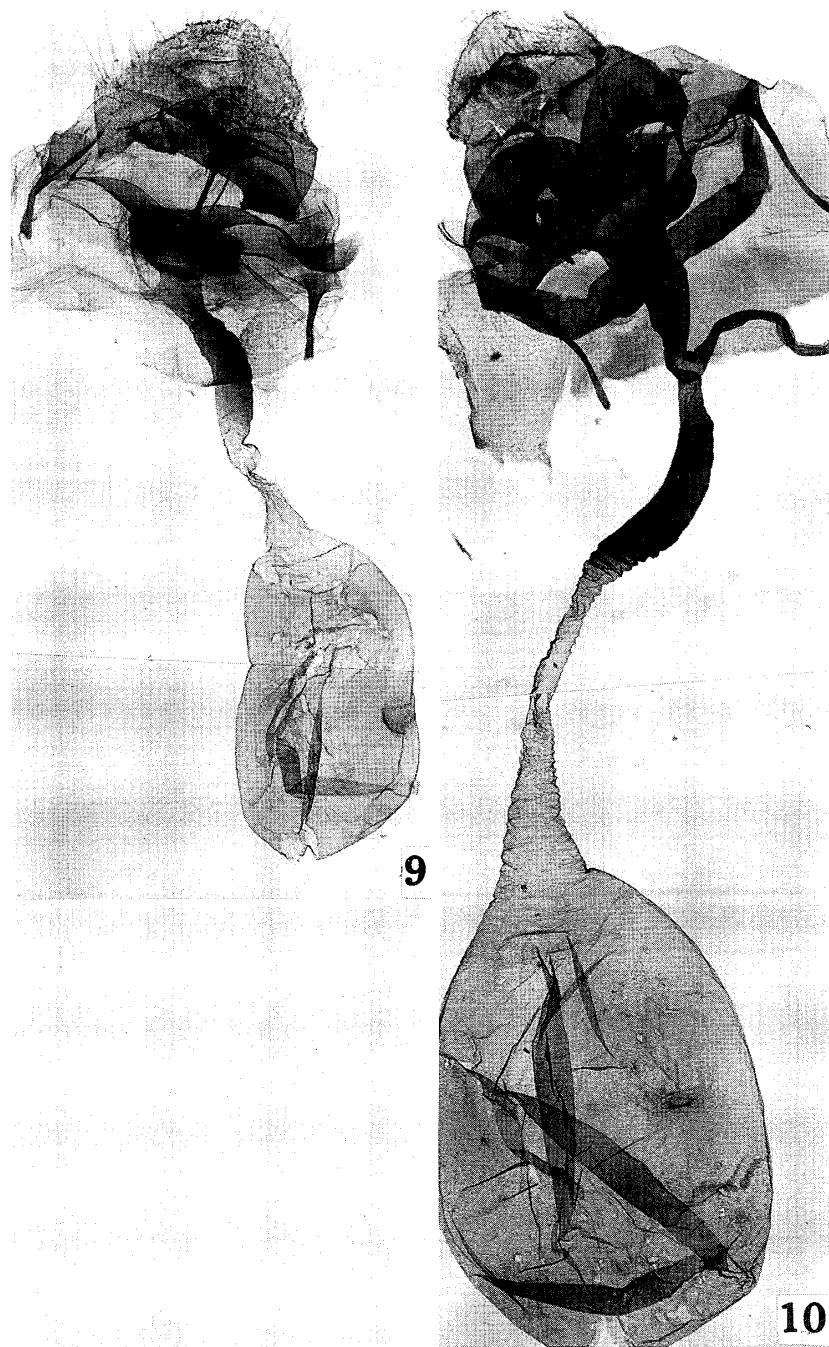
♂ genitalia (Fig. 8). Uncus more slender than in *lilacina*, apex more shallowly excised, apical spine of socius much longer as in *N. japonica* (Moore) and *N. problematica* (Bryk) (cf. Watson, 1968, *Bull. Br. Mus. nat. Hist. (Ent.)*, Suppl. 12, figs 138 and 143), the spines at base of valves (Wilkinson, 1972, *Khumbu Himal, Ergebn. Forsch.-Unternehmen Nepal Himalaya* 4: 181) (=the spines of the lateral diaphragmal sclerites, Watson, *op. cit.*: 87), much shorter, not overlapping each other. 8th sternite with lobes a little longer than in *lilacina*. ♀ genitalia (Fig. 10). Signum smaller than in *lilacina*.

From *japonica* and *N. grisearia* (Staudinger) it is easily distinguished by more strongly falcate apex of forewing, more slender transverse lines, lacking yellowish border.



Figs. 7-8. Male genitalia and 8th sternite of *Nordstromia* spp. 7. *N. coffeata* sp. nov. (H. Inoue Slide 14986) 8. *N. semililacina* sp. nov. (H. I. Slide 3011)

Holotype, ♂: Wenshan spa, 580 m, Hualien Hsien, 4-5. viii. 1983 (A. Kawabe).
 Paratypes: Sungkang, 2,000 m, Nantou Hsien, 10. iv. 1965, 1 ♀ (T. Shirôzu); Fenchihu, Chiai Hsien, 8. iii. 1966, 3 ♂, 1 ♀ (Y. Kishida); *ditto*, 27-28. iii. 1972, 1 ♂ (M. Owada); Kuantauchi, Nantou Hsien, 29. x. 1973, 1 ♀; Wushe, Nantou Hsien, 31. x. 1972, 1 ♂ (Sk. Yamane); near Tianchi, 2,200 m, Kaohsiung Hsien, 1. viii. 1976, 1 ♂; Alishan, Chiai Hsien, 5. viii. 1977, 1 ♀; *ditto*, 7. viii. 1978, 1 ♀ (Y. Shibata); Lushan spa, Nantou Hsien, 21-23. vii. 1981, 1 ♂; *ditto*, 13-14. viii. 1983, 1 ♂ (A. Seino); *ditto*, 1,200 m, 27-28. vii. 1983, 2 ♂ (A. Kawabe); Juisui, Hualien Hsien, 29. iii. 1986, 1 ♀ (Y. Shibata); "Nantou", 1959, 2 ♂;



Figs. 9-10. Female genitalia of *Nordstromia* spp. 9. *N. coffeata* sp. nov. (H. I. Slide 14987) 10. *N. semililacina* sp. nov. (H. I. Slide 3012)

ditto, 1968, 2 ♂.

Distribution. Taiwan.

Usually specimens collected in spring are larger with paler wings than those secured in summer.

摘 要

カギバガ科 *Nordstromia* 属の 2 新種 (井上 寛)

N. coffeata (ルソンとミンダナオ) と *N. semililacina* (台湾) という新種を記載した。後者は、張, 1989, 台湾蛾類図説(1): 113 で *N. lilacina* (Moore) として雌雄の原色写真が示されている。*N. semililacina* は、外観ばかりでなく、雄交尾器の形態が *lilacina* とかなり大きな差異がある。

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